

HISTORIC AMERICAN ENGINEERING RECORD

INDEX TO PHOTOGRAPHS

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AIR FORCE PLANT PJKS, SYSTEMS INTEGRATION
LABORATORY, COMPONENTS TEST LABORATORY
(Air Force Plant PJKS, Systems Integration Laboratory,
Building T-27)
Waterton Canyon Road and Colorado Highway 121
Lakewood Vicinity
Jefferson County
Colorado

HAER No. CO-88-A

Documentation: 9 exterior photographs (1999)
 12 interior photographs (1999)
 4 data pages (1999)

Lisa Lynch, Photographer, February 15-19, 1999

- CO-88-A-1 Exterior view of Components Test Laboratory (T-27), looking southeast from hill north of structure. The building wing in the right foreground houses Test Cell 8 (oxidizer) and the oxidizer storage pit or vault. Test Cell 10 is located in the center background, Test Cell 9 is at the far left, and the equipment room is in the immediate left foreground. The control room is in the center of the structure and abuts the aforementioned test cell and equipment room wings. This structure served as a facility for testing, handling, and storage of Titan II's hydrazine- and nitrogen tetroxide-based propellant system components for compatibility determinations.
- CO-88-A-2 Exterior view of Components Test Laboratory (T-27), looking southeast. The building wing on the left houses the equipment room and that on the right houses Test Cell 8 (oxidizer) and the oxidizer storage pit or vault.
- CO-88-A-3 Exterior view of Components Test Laboratory (T-27), looking southeast. The building wing on the left houses the equipment room, and that on the right houses Test Cell 8 (oxidizer) and the oxidizer storage pit or vault.
- CO-88-A-4 Exterior view of Components Test Laboratory (T-27), looking northeast. The building wing on the left houses Test Cell 8 (oxidizer) and the oxidizer storage pit or vault, and that on the right houses Test Cell 10 (environmental).
- CO-88-A-5 Exterior view of Components Test Laboratory (T-27), looking northwest. The building wing on the left houses Test Cell 10 (environmental), and that on the right houses Test Cell 9 (fuel) and the fuel storage pit or vault.

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- CO-88-A-6 Exterior view of Components Test Laboratory (T-27), looking southwest. The building wing on the left houses Test Cell 9 (fuel), and that on the right houses the equipment room. The corrugated aluminum shed that is taller than the main building in the left foreground houses a citric acid air pollution control room (also known as scrubber room), the interior of which may be seen in CO-88-A-21.
- CO-88-A-7 Exterior view of Components Test Laboratory (T-27), looking south. The wing in the immediate foreground houses the equipment room.
- CO-88-A-8 View, fuel waste tanks and containment basin associated with Components Test Laboratory (T-27) located uphill to the left, looking northwest.
- CO-88-A-9 View, oxidizer waste tanks and containment basin associated with Components Test Laboratory (T-27) located directly uphill, looking north. Located uphill in the upper left portion of the photograph (from right to left) are the Oxidizer Conditioning Structure (T-28D), Long-Term Oxidizer Silo (T-28B), and Systems Integration Laboratory (T-28).
- CO-88-A-10 Interior view of control room in Components Test Laboratory (T-27), looking east. The control room is located in the center of the building and abuts the Test Cell 8, 9, and 10 and equipment room wings. Photograph shows upgraded instrumentation, piping, and technological modifications installed in 1997-99 to accommodate component testing requirements for the Atlas V missile.
- CO-88-A-11 Interior view of control room in Components Test Laboratory (T-27), looking north. Photograph shows upgraded instrumentation, piping, and technological modifications installed in 1997-99 to accommodate component testing requirements for the Atlas V missile.
- CO-88-A-12 Interior view of Test Cell 9 (fuel) in Components Test Laboratory (T-27), showing north and east walls. Photograph shows upgraded instrumentation, piping, and technological modifications installed in 1997-99 to accommodate component testing requirements for the Atlas V missile.
- CO-88-A-13 Interior view of Test Cell 9 (fuel) in Components Test Laboratory (T-27), showing west and north walls. Photograph shows upgraded instrumentation, piping, and technological modifications installed in 1997-99 to accommodate component testing requirements for the Atlas V missile. Two windows in the wall to the left enable personnel in the control room to observe component testing in the cell.

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- CO-88-A-14 Interior view of Test Cell 10 (environmental) in Components Test Laboratory (T-27), showing east and south walls. Photograph shows upgraded instrumentation, piping, and technological modifications installed in 1997-99 to accommodate component testing requirements for the Atlas V missile.
- CO-88-A-15 Interior view of Test Cell 10 (environmental) in Components Test Laboratory (T-27), showing north and east walls. Photograph shows upgraded instrumentation, piping, and technological modifications installed in 1997-99 to accommodate component testing requirements for the Atlas V missile. The window in the wall to the left enables personnel in the control room to observe component testing in the cell.
- CO-88-A-16 Interior view of Test Cell 8 (oxidizer) in Components Test Laboratory (T-27), showing east wall. Photograph shows upgraded instrumentation, piping, and technological modifications installed in 1997-99 to accommodate component testing requirements for the Atlas V missile. The windows in the wall enable personnel in the control room to observe component testing in the cell.
- CO-88-A-17 Interior view of Test Cell 8 (oxidizer) in Components Test Laboratory (T-27), showing west and north walls. Photograph shows upgraded instrumentation, piping, and technological modifications installed in 1997-99 to accommodate component testing requirements for the Atlas V missile.
- CO-88-A-18 Interior view of HVAC room in Components Test Laboratory (T-27), showing northwest corner. Photograph shows upgraded instrumentation, piping, and technological modifications for HVAC system installed in 1997-99 to accommodate component testing requirements for the Atlas V missile.
- CO-88-A-19 Interior view of HVAC room in Components Test Laboratory (T-27), looking toward east wall. Photograph shows upgraded instrumentation, machinery, and technological modifications for HVAC system installed in 1997-99 to accommodate component testing requirements for the Atlas V missile.
- CO-88-A-20 Interior view of fuel storage pit or vault adjacent to Test Cell 9 in Components Test Laboratory (T-27), looking west. Photograph shows upgraded instrumentation, piping, tanks, and technological modifications installed in 1997-99 to accommodate component testing requirements for the Atlas V missile.
- CO-88-A-21 Interior view of citric acid air pollution control room (also known as scrubber room) in Components Test Laboratory (T-27), looking southeast. Photograph shows upgraded instrumentation, piping, tanks, and technological modifications installed in 1997-99 to accommodate component testing requirements for the Atlas V missile.